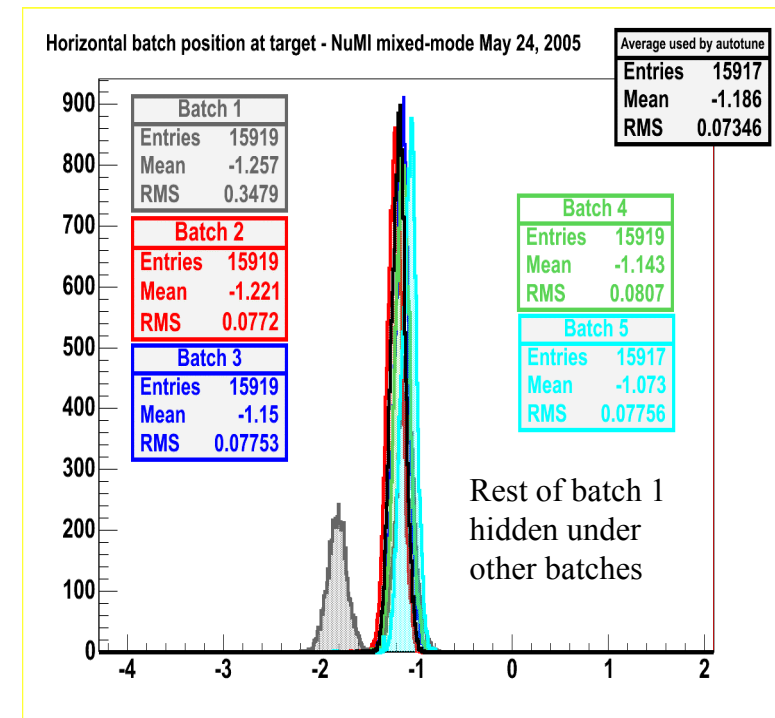


# Energy vs. Batch in ND

- Beam X position at target is varies for 1st batch in mixed mode running
- Debbie H. Pbeam study:
  - ▶ Expect ~few % difference in high side of  $E_\nu$  peak
- Jim Hylan:
  - ▶ An (unknown) misalignment could make it worse



Mary Bishai

# Comparison of Batches

- Peter S. study:
- Select:
  - ▶ Mixed mode running only
  - ▶ June, July, August R1.16
  - ▶ Cuts favoring CC
- Compare
  - ▶ Batch 1 for low beam, vs Batches 1-5 for hi
  - ▶ No Significant difference observed

